

NeutrAvidin (PIERCE)

Stock: 5mg/ml in 4°C

Final: 0.25mg/ml

Recipe: Stock (50ul) + T50 (950ul)

Store in 4°C

Streptavidin (Molecular probe, S888)

Stock: 5mg/ml in 4°C

Final: 0.20mg/ml

Recipe: Stock (40ul) + T50 (960ul)

Store in 4°C

BSA-biotin (Sigma, Pierce)

Stock: 10mg/ml in 4°C

Final: 1mg/ml

Recipe: Stock (100ul) + T50 (900ul)

Store in 4°C

Dextrose for bme (Sigma)

Stock: 0.2g/ml (20%, wt/wt, in 4°C)

Store in 4°C

→Use: 4ul/100ul (0.8%, wt/wt)

Dextrose for Trolox (Sigma)

Stock: 2g in 50ml (4%, wt/wt, in 4°C)

Store in 4°C

→Use: 200ul 4% Dextrose
+ 800ul saturated trolox

Beads sample

Dilute 1/150. Mix with 1ul HCl or Acetic Acids. Inject into slide channel and seal it with epoxy or parafilm.

Store in 4°C

Gloxy

Glucose Oxydase Type VII (Sigma, powder) in -20°C

Catalase (Sigma, solution) in 4°C

Recipe:

Glucose Oxydase (10mg) + Catalase (20ul) + T50 100ul

Spin down for 30min at 10,000rpm -4°C.

Use supernatant only. Do not vortex.

Store in 4°C

Use: 1ul/100ul

βME (Acros)

Stock: conc. in -20°C (store in inert gas)

Make aliquots and store them in 4°C

Use: 1ul/100ul

Trolox (sigma)

Stock in powder in 4°C

Recipe: 7.5mg + 10ml DiWater (~3mM, saturated)

Filter it by using 100um or 200um syringe filter.

Store in 4°C

T50 (pH8.0)

10mM Tris-base (powder, FW 121.14)

50mM NaCl (powder, FW 58.44)

Recipe:

146.1mg NaCl + 60.57mg Tris-base in 50ml DiWater

Adjust pH to 8.0 with HCl. (You will need ~250ul 1M HCl)

Store in RT